

State of Louisiana  
Department of Transportation and Development (DOTD)  
Materials and Testing Section Qualification Procedure  
for  
Qualified Products List 5

**POLYURETHANE JOINT SEALANTS**

**MATERIAL SPECIFICATION REFERENCE:**

DOTD Standard Specifications, Subsection 601.13, 805.12, 1005.02(b), and DOTD S 611.

**PRELIMINARY REQUIREMENTS:**

Qualified Product Evaluation Form

The manufacturer shall submit a standard "Qualified Product Evaluation Form" (copy attached) to the DOTD Materials and Testing Section Coordinator listed below, along with a letter requesting evaluation for the Qualified Products List.

Product Data Sheets

Include product data sheets with all pertinent information relative to the product to be evaluated; including, but not limited to, manufacturer's specifications, mixing instructions, recommended application procedure, typical analysis and a Materials Safety Data Sheet (MSDS).

Certification and/or Test Reports

Submit a Certificate of Analysis reporting actual test results of the material properties for each product submitted.

Sample (to be furnished at no cost to the Department)

Submit a sample consisting of one unit of each component for evaluation.

**TEST REQUIREMENTS:**

Laboratory Testing

The qualification sample shall be tested in accordance with the applicable procedures

shown in the attached Subsections 1005.02(b).

### Field Evaluation

The Department may require a field evaluation to ensure satisfactory installation and performance of the product prior to placement on the Qualified Products List. Sealant characteristics checked will include the adhesion between the faces of the joint, resilience, ozone resistance, and the ability to reject incompressibles.

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### Evaluation Time

Laboratory testing - 2 weeks

Field evaluation - 18 months

### **GENERAL:**

Upon completion of the evaluation, the submitter will be notified in writing concerning the results of the evaluation and whether the product will or will not be added to the Qualified Products List. The Department reserves the right to reevaluate any product at any time.

### **PROJECT ACCEPTANCE REQUIREMENTS:**

Qualification of a product is not blanket approval for its use.

All joint material regardless of prior approval, shall be sampled in accordance with the Materials Sampling Manual. See DOTD Designation: S611 for details. Sampling for acceptance may be performed at the joint material supplier's in-state warehouse. When presampled in this manner, each DOTD lot of joint material shipped to the jobsite shall be accompanied with a Certificate of Delivery. This Certificate of Delivery shall include the test report number which indicates conformance to specifications and represents the material shipped.

When joint material has not been presampled at the joint material supplier's in-state warehouse, the Project Engineer shall take samples at the project site in accordance with DOTD Designation: S611.

### **DISQUALIFICATION:**

Any product may be removed from the Qualified Products List for non-conformance with specifications or performance requirements. The Department must be notified in writing of any change in product formulation. Significant changes may require reevaluation of the product.

**REQUALIFICATION:**

A product which has been disqualified and removed from the Qualified Products List will be considered for reevaluation only after submission of a formal request along with acceptable evidence that the problems causing the disqualification have been resolved.

**DOTD MATERIALS AND TESTING SECTION COORDINATOR:**

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Approved 7-01-02

N. Doug Hood, P.E.  
MATERIALS ENGINEER ADMINISTRATOR